



SECTION 1055

CONCRETE CURING MATERIAL

1055.1 Scope. These specifications cover liquid membrane-forming compounds, waterproof paper, polyethylene sheeting, white burlap-polyethylene sheeting, burlap and mats of jute or cotton for curing concrete.

1055.2 Liquid Membrane-Forming Compounds. Liquid membrane-forming compounds shall conform to the requirements of AASHTO M 148 for Type 1-D, clear or translucent with fugitive dye, or Type 2, white pigmented, curing compounds. The vehicle shall be Class A.

1055.2.1 Manufacturer's Certification and Guarantee for White Pigmented Curing Compound. The manufacturer shall submit a certification and guarantee to the Division Engineer, Materials, setting forth the brand name and designation, the composition or description of the curing material, and the manner in which the material will be identified on the containers. The manufacturer shall further certify that the material conforms to the requirements of these specifications and shall list typical values of current tests for consistency, drying time, reflectance and moisture retention. The manufacturer shall also guarantee that as long as material is furnished under that brand and designation, the material will be of the same composition as that originally approved, and in no way will be altered or changed.

1055.2.2 Sampling. Each lot or batch of liquid membrane-forming compound shall be sampled, tested and approved prior to use.

1055.3 Waterproof Paper. Waterproof paper shall comply with the requirements of AASHTO M 171.

1055.4 Polyethylene Sheeting. Polyethylene sheeting shall comply with the requirements of [Sec 1058](#) for curing portland cement concrete.

1055.5 White Burlap-Polyethylene Sheeting. White burlap-polyethylene sheeting shall conform to the requirements of AASHTO M 171.

1055.6 Burlap and Mats of Jute or Cotton. Burlap shall be fabric made from jute or other suitable fibers. Jute mats shall consist of two plies of burlap stitched together to maintain the shape and stability of the unit. Cotton mats shall consist of filler or cotton batts covered with unsized cloth or burlap, and tufted or stitched to maintain the shape and stability of the unit. Burlap and mats shall, in the judgment of the engineer, be of such construction and in such condition as required to adequately maintain free moisture on the surface of the concrete with the type of system being used to provide the water. Material shall be free from deleterious matter harmful to concrete.